Title (en)
Inherent power-over-data bus signaling for secure operating mode switching

Title (de)
Inhärente Bussignalisierung zur sicheren Betriebsmodusumschaltung in einem Bus zum Senden von Energie über Datenleitungen

Title (fr)
Signalisation inhérente de commutation sûre de mode d'opération pour un bus de transmission de puissance sur des lignes de transmission de données

Publication
EP 2819343 A1 20141231 (EN)

Application
EP 13173635 A 20130625

Priority
EP 13173635 A 20130625

Abstract (en)
A method for changing an operating mode of a processing unit (18) of a network node (10) is proposed. The processing unit (18) is connected to a communication and supply line (12) for providing data communication and for providing a supply voltage (16). The method comprises an establishing of a communication connection of the processing unit (18) of the network node (10) via the communication and supply line, a determination of a change of the supply voltage (16) of the communication and supply line (12) by the processing unit (18), and a setting of an operation mode of the processing unit (18) based on the determined change of the supply voltage (16).

IPC 8 full level
H04L 12/10 (2006.01); **G05F 1/625** (2006.01); **H04L 12/12** (2006.01); **H04L 12/24** (2006.01); **H04L 12/40** (2006.01)

CPC (source: EP US)
G05F 1/625 (2013.01 - EP US); **H04L 12/10** (2013.01 - EP US); **H04L 12/12** (2013.01 - EP US); **H04L 12/40039** (2013.01 - EP US); **H04L 12/40045** (2013.01 - EP US); **H04L 41/0816** (2013.01 - US); H04L 2012/4028 (2013.01 - EP US); Y02D 30/50 (2020.08 - EP US)

Citation (applicant)
EP 2586230 A2 20130501 - AIRBUS OPERATIONS GMBH [DE]

Citation (search report)
- [X] WO 2012055300 A1 20120503 - UNIV NANJING [CN], et al & US 2013214759 A1 20130822 - CHEN XIANGNING [CN], et al
- [A] US 2006166706 A1 20060727 - DWELLEY DAVID M [US], et al

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EP3131232A1; US10686613B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2819343 A1 20141231; **EP 2819343 B1 20161207**; US 2014379880 A1 20141225; US 9948508 B2 20180417

DOCDB simple family (application)
EP 13173635 A 20130625; US 201414312803 A 20140624